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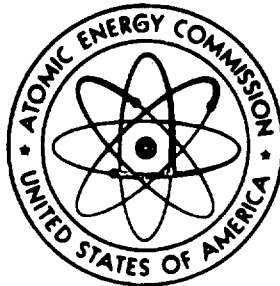
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NEVADA OPERATIONS OFFICE PLANNING DIRECTIVE FOR OFF-CONTINENT ACTIVITIES

FY-1971

SEPTEMBER 1970



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UNITED STATES
ATOMIC ENERGY COMMISSION

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REVIEW DATE: <u>7-11-97</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <input type="checkbox"/> ACC <input type="checkbox"/> ABC <input type="checkbox"/> AEC	1 CLASSIFICATION RETAINED
NAME: <u>PAUL WARD</u>	2 CLASSIFICATION CHANGED TO:
REVIEW DATE: <u>7/14/97</u>	3 CONTAINS NO DOE CLASSIFIED INFO
APPROVED: <u>PATRICIA BODIN</u>	4 COORDINATE WITH: <u>DSWA 6/11/98</u>
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SUBJECT: NEVADA OPERATIONS OFFICE PLANNING DIRECTIVE FOR OFF-CONTINENT ACTIVITIES

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OPERATIONS AND PLANS

(CRC 710-10)

R S/FRD ✓(NVO-80) NEVADA OPERATIONS OFFICE
PLANNING DIRECTIVE FOR OFF-CONTINENT ACTIVITIES
FY-1971. (Nevada Operations Office (AEC), Las Vegas). Sept. 1970. 21p

REF. none

Michael A.

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R. R. Brownlee, LASL, Los Alamos, New Mexico,
w/cy 3/21 encl
W. E. Ogle, LASL, Los Alamos, New Mexico
w/cy 4/21A encl
J. H. Scott, SLA, Org. 9200, Albuquerque,
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W. A. Bennett, EG&G, Las Vegas, Nevada,
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A. L. Vogt, Holmes & Narver/LPG, Las Vegas,
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I. PURPOSE

DOD/INVT TECHNICAL INFORMATICS
RESOURCE CENTER
Las Vegas, NV 89193

II. INTRODUCTION

- A. Responsibilities Under Test Ban Treaty
- B. Earlier Development of Readiness Capability
- C. Program Decisions in Fall 1969

III. CURRENT PROGRAM GUIDANCE

- A. The National Nuclear Test Readiness Program, October 1968.
- B. AEC/DOD Agreement on Responsibilities for Planning for the Support of Readiness and Conduct of Atomic Weapon Test Operations Outside North American Continental Limits and Related Budgeting and Funding. (September 1965)
- C. Memorandum of 27 April 1970 from the Deputy Secretary of Defense to the Director, DASA, Providing Interim Guidance on Readiness Program Activities Pending Review and Approval of a Revised NNTRP.
- E. Memorandum from Director, DASA, to Chairman, Joint Chiefs of Staff, Subject: "Joint Task Organization for Conduct of Thor/HATV Development Launch."
- F. Memorandum of 27 April 1970 from Deputy Secretary of Defense to Secretary of the Air Force, Subject: "Transfer of Management of Johnston Atoll from DASA to the Air Force."
- G. Memorandum of Agreement between 6486th Air Base Wing and AEC Regarding Contractual Arrangements at Johnston Island (6486th ABW-NVOO) June 1970.

~~THIS MATERIAL CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U. S. C., SECS. 793 AND 794, THE TRANSMISSION OR REVELATION OF WHICH IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.~~
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B. Off-Continental Planning Committee

C. Aircraft Use Committee

D. Tamarin Committee

E. Sampler Working Group

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F. Director, Office of Effects Evaluation

Distribution

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REFERENCES:

- A. AEC/DOD Agreement of September 14, 1965, Subject: "Responsibilities for Planning for the Support of Readiness and Conduct of Atomic Weapon Test Operations Outside North American Continental Limits and Related Budgeting and Funding."
- B. The National Nuclear Test Readiness Program, October 1968 (SRD).
- C. DASA/USAF Interservice Support Agreement (6/20/70) Delineating the Relationship at Johnston Atoll in all Matters Related to Activities of the DOD and AEC in Support of the NNTRP.
- D. Memorandum of Agreement Between 6486th Air Base Wing and AEC Regarding Contractual Arrangements at Johnston Island (June 1970).
- E. Memorandum of 27 April 1970, from the Deputy Secretary of Defense to the Director, DASA, Providing Interim Guidance on Readiness Program Activities Pending Review and Approval of a Revised NNTRP. (SDI).
- F. Memorandum of 27 April 1970 from the Deputy Secretary of Defense to the Secretary of the Air Force, Subject: "Transfer of Management of Johnston Atoll from DASA to the Air Force."

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"GO + 2 months" basis. Since that time, changes and developments in the objectives of the AEC/DOD Readiness Program have established the requirement for a revised readiness capability associated with high-altitude detonations of nuclear devices. The revised program established in the National Nuclear Test Readiness Program (NNTRP) document of October 1968 reflected a change in emphasis from airdrop atmospheric tests to high-altitude tests of nuclear warheads for ABM and other applications.

weapons technology. With regard to Safeguard C, (the maintenance of a state of readiness to resume atmospheric testing) the testimony related to the substantial changes in objectives which have occurred since the Readiness Program was adopted in 1963, including the fact that both weapons technology and test technology (together with complexity of our requirements) have advanced rapidly. Testimony indicated that technical considerations have led to the conclusion that to retain maximum flexibility for timely response with relevant experiments, we should increasingly concentrate our attention upon instrumentation development, and that we should try to have a versatile inventory of instrumentation and experimental techniques so as to be able to take maximum advantage of whatever test opportunity may present itself. The testimony also pointed out that the program reduction we could best accept, though with considerable

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reluctance, would be in Safeguard C.

The conclusion of the testimony was that this convergence of technical reasons and budget pressures led to the joint AEC/DOD decision of October, 1969 to reduce the program funding and accept an increased response time for resumption of testing. It was reported that to this end, the following coordinated actions were being taken by the AEC and DOD:

1. Operational control of Johnston Atoll will be transferred to the USAF with appropriate reentry rights and the facilities there placed and maintained in the minimum feasible maintenance status. In Hawaii, facilities will be loaned to other agencies under appropriate agreements or placed in the minimum feasible continuing status. The plan is to reoccupy these facilities on direction to resume testing and return them to operational status in time to meet our projected response times.
2. The sampling rocket stockpile at the Kauai facility will not be maintained. The facility itself, however, will remain operational and periodic tests will be conducted.
3. Diagnostic aircraft operations and support will be reduced.
4. Instrumentation development will proceed only to the prototype stage, with state-of-the-art improvements routinely incorporated on a continuing basis. Procurement action will be initiated after a decision to resume testing.
5. Contractor support is being reduced by about one-half with the objective of maintaining program continuity with minimum key personnel.
6. Joint AEC/DOD readiness exercises are being discontinued.

Testimony was concluded with the statement that: "the impact of the program modification is reflected primarily in terms of time--both the time between the decision to test and the actual resumption of testing, and the time required to complete the entire test series. We believe we have an atmospheric program that will provide the answers we need to know. However, the time that is made available for this test program will go a long way in determining its success or failure." It was pointed out that "we must acknowledge the possibility that if we do resume atmospheric testing we may find new and unanticipated questions and we should be prepared to adjust our program accordingly. This means, among other things, adjustments in the time available for testing."

Within the guidelines of the program decisions expressed above, the following are summaries of the principal documents which further define and implement the most current Readiness Program policy and direction:

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A. The National Nuclear Test Readiness Program, October 1968 (SRD).

This document, issued in 1968, outlines a revised National Nuclear Test Readiness Program in those environments (atmospheric, high-altitude, and underwater) prohibited by the Limited Test Ban Treaty. It lists proposed test events (beginning at GO plus 2 months and extending through GO plus 24 months), including nuclear operational systems tests, nuclear tactical exercises, water wave events, AEC airdrop series, naval effects program, high-altitude program, EMP program, cratering and ground shock program, R/V survivability demonstration, Kwajalein high-altitude tests, high-latitude program and hardened structures tests. This document is presently undergoing revision to reflect the most current readiness policy, and is expected to be ready for approval in mid-FY 1971. Changes are expected to reflect primarily (a) a relaxation of response times to 5-6 months for early device development events, (b) an increased emphasis on high-altitude Spartan events with a response time of about 12-14 months, and (c) an increased concentration on instrumentation development to support high-altitude experiments involving weapons system integrity and performance in a nuclear environment.

B. AEC/DOD Agreement on Responsibilities for Planning for the Support of Readiness and Conduct of Atomic Weapon Test Operations Outside North American Continental Limits and Related Budgeting and Funding. (September 1965).

Establishes principles of AEC and DOD agency responsibilities in the Pacific for planning and support of Readiness Program activities. Recognizes areas of unique expertise of the participating agencies, and assigns special responsibility in specific areas:

DOD - Transportation, aircraft and naval vessels, operational weapons delivery systems, long-haul communications, certain security protection, on-site safety, weather data collection;

AEC - Assembly/arming/timing/firing, signal systems and nuclear weapons required except for NOST/NUTEX events, off-site public safety, weapon yield and SS material control.

Assigns primary mission responsibility in designated areas (Johnston Atoll, Hawaiian Area, other Pacific areas) for planning, funding, operating and maintaining base support facilities and services. Assigns to DOD the primary mission responsibility for support facilities and services at JA. Facilities in the Hawaiian Area and elsewhere are largely joint responsibilities of AEC and DOD and in selected off-island areas are the primary responsibility of the AEC. This agreement has been reaffirmed under the DASA/USAF agreement transferring DOD support responsibility at JA. (See below)

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C. Interservice Support Agreement for Johnston Island (DASA-USAF 20 June 1970).

Delineates the relationship at JA between the Commander 6486th ABW (PACAF) and DASA in all matters related to activities of the DOD and AEC in support of the NNTRP. Provides that USAF (Commander 6486th ABW, Hickam AFB) will maintain and operate JA and provide services and facilities to meet DASA/AEC requirements associated with the NNTRP.

Identifies AEC and DASA technical, scientific and control facility requirements and establishes the level of maintenance support for these facilities to be provided by the host agency.

D. Memorandum of 27 April 1970 from the Deputy Secretary of Defense to the Director, DASA Providing Interim Guidance on Readiness Program Activities Pending Review and Approval of a Revised NNTRP (SDI).

Directs that DASA should: (1) continue preparation of the new NNTRP; (2) should be prepared, in cooperation with the AEC, to conduct a Thor/HATV development launch in the late August/September 1970 time frame, with operations to be minimal consistent with information requirements and safety; (3) should continue development of long lead time instrumentation to meet the objectives of the high priority elements of the revised program; and (4) should coordinate AEC and DOD facility requirements at JA to meet the objectives of the revised program. The memorandum indicates that additional guidance will be provided on approval of the new NNTRP.

E. Memorandum from Director, DASA, to Chairman, Joint Chiefs of Staff, Subject: "Joint Task Organization for Conduct of Thor/HATV Development Launch."

Summarizes the principal features of the test; establishes a temporary Joint Task Force and Joint Task Force Headquarters for carrying out this test, indicating that these are basically similar to those used in 1962 and likely to be followed in future overseas nuclear tests.

F. Memorandum of 27 April 1970 from Deputy Secretary of Defense to Secretary of the Air Force, Subject: "Transfer of Management of Johnston Atoll from DASA to the Air Force." (CDI)

This memo approves, on an interim basis, the Air Force plan for transfer of management responsibility to the Air Force, pending resolution of the proper level of effort and the future of Program 437. It also approves the concept under which operation and maintenance support on JA will be provided by a single engineering and

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Indicates that Director, DASA will collect facility requirements on JA for both the DOD and AEC, will make certain the level of effort is consistent with guidance, and will provide consolidated requirements to the Air Force. Indicates that DDR&E will review the overall level of effort for consistency with the national readiness-to-test goals and Program 437 plans.

G. Memorandum of Agreement between 6486th Air Base Wing and AEC Regarding Contractual Arrangements at Johnston Island (6486th ABW - NVOO) June 1970.

Establishes an agreement for contractual arrangements at JA, including engineering, construction, maintenance and operational support services to be provided to the 6486th ABW by Holmes & Narver, Inc. Identifies funding, cost and cost control and security provisions. Under this contract, certain authority for on-site operational controls is delegated to the Commander, 6486th ABW.

IV. CURRENT AEC FACILITIES STATUS

With completion of the FY-1970 phase-down program, NVOO's current facilities posture is as follows:

- A. Johnston Atoll. Other than for facilities required for the September 1970 Thor/HATV Development Test, facilities are being retained in a stand-by status with the Host (USAF) providing periodic maintenance and environment and corrosion control. Included among these are the rocket launch pads from which the launchers and accessory equipment have been removed and stored in an environmentally controlled area; the several rocket storage, checkout, and assembly buildings; telemetry facilities; the personnel equipment building; the B57C hangar; and various EG&G equipment in the JOC.

Following the Thor/HATV Development Test in September 1970, those facilities used for this event will be deactivated in a similar manner and the associated equipment stored or returned to lab users (unless plans for a follow-on TDT dictate otherwise).

- B. Hickam AFB, Oahu. A continuing requirement exists for the use of limited facilities (trailers, quonsets) at Hickam AFB to support deployed NC-135 operations. The remaining facilities (other trailers, office and laboratory building, warehouse and storage space, and aircraft operating and support facilities), have been licensed to the base under a reentry and maintenance agreement.
- C. NAS Barbers Point, Oahu. All facilities have been licensed to the host under agreement, except for the assembly building and staging equipment storage building for which SLA has continuing requirements.

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- D. Damon Tract. The AEC/H&N offices at Ohohia Street have been vacated, and Damon Tract now provides the operating base for PASO and associated agencies. The majority of the buildings and about two-thirds of the acreage have been licensed to other agencies (Post Office, GSA) with appropriate reentry rights. The trailer park provides the main AEC administrative area; the remainder of the retained facilities provide readiness storage and support the Air Force's M&O effort at JA.
- E. TRF/Kauai. The Kauai Test Readiness Facility and directly supporting facilities remain operational with M&O and funding responsibilities transferred to SLA.
- F. Other Hawaiian Areas. With very minor exceptions, the remaining facilities in the Hawaiian area have either been loaned to other agencies, returned to host activities or closed. In each case, appropriate reentry rights have been retained.
- G. Kirtland AFB, New Mexico. At Kirtland AFB, several of the laboratory trailers have been removed, with the balance converted to storage or retained in use to support readiness-related operations of the NC-135 and sampler aircraft. Much of the technical equipment from Johnston Atoll and EG&G, Bedford, is stored in available space here.
- H. Readiness Equipment. AEC non-technical and technical equipment, including communications equipment required for the support of testing in the Pacific area, has been essentially disposed of or applied to other use. (Some technical equipment has been returned to the Laboratory and/or stored at HAFB, Damon Tract, NASBP and JA.) Support-type equipment such as vehicles, shop equipment, office furniture, etc., not currently required, has been disposed of in the Hawaiian area. Construction-type equipment at JA and Hawaii has been disposed of. In the event of a resumption of testing, it will be necessary to procure or otherwise obtain from AEC/DOD resources most of the required equipment.

V. PROJECTED NVOO PROGRAM

Primary emphasis in NVOO's FY-1971 program is placed on support of an active aircraft program and on EG&G technical support to the LASL high-altitude program. Limited effort is also directed toward low-level maintenance of readiness facilities and equipment systems, and retention of a safety capability. The program is summarized as follows:

- A. Field Construction. No major AEC construction effort is planned for FY-1971/72.
- B. EG&G, Inc. EG&G will provide scientific/technical support to the LASL's high-altitude program in the areas of: (a) development, engineering and fielding of optical and other high-altitude instrumentation, (b) scientific data processing, (c) spectrometer design and

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construction, and (d) high-altitude simulation studies. Equipment for this effort will be procured from operational funds. Support to LRL will be minimal and will include that necessary for the Thor Development Test(s). EG&G will also retain the minimum technical/logistics group required at KAFB to support diagnostic and sampler aircraft activities. EG&G's readiness-related equipment will be maintained in storage at KAFB.

- C. Aircraft Operations and KAFB Support. The support facility at KAFB, including trailers and installed equipment, will be retained in place and used both in support of aircraft missions and for storage of readiness-related equipment, or kept in a minimum maintenance status. NC-135's and RB-57C and F sampler aircraft will be retained at KAFB on a drastically reduced support base. The NC-135's will conduct approved readiness and readiness-related scientific missions.

Sampler aircraft operations in support of On-Continent programs will be conducted as required. Sampler aircraft equipment not required for these operations will be stored at KAFB. Periodic non-deployment training exercises of diagnostic and sampler aircraft will be conducted within the constraints imposed by the budget, subject to DOD approval. General Dynamics Class II Modification Support at KAFB for diagnostic aircraft will be continued at a minimum level. No funds for Class I modifications or special procurements are budgeted prior to FY-1972.

- D. Off-Site Safety. Approximately 60% of the water wave measurement (Tamarin) inventory of equipment will be mothballed in FY-1971. The remaining 40% of the equipment inventory is required for the Cannikin event and will be maintained out of STS funds. Following execution of Cannikin in early FY-1972, it is expected that the balance of the Tamarin equipment will be mothballed and the contractor capability terminated. Some theoretical study of water wave interactions with shorelines has been budgeted for FY-1972. The STS program will provide for placing monitoring gages at four Pacific islands in FY-1971 for long-term measurements and will support this with Cannikin funds. After the Cannikin event has been conducted the Readiness Program is expected to fund a low-level support of this effort as it relates to assessing the potential water wave hazards resulting from atmospheric events.

The U.S. Public Health Service will continue to maintain a limited capability to respond to a resumption of testing in the fields of radiological surveillance, notification of radiation hazards and investigation of incidents or claims. This capability will be exercised through participation in the Bikini monitoring program, particularly through the monitoring of plants, soils and residual exposure levels.

The Laboratory of Radiation Ecology, University of Washington, will continue a limited marine bioenvironmental study to evaluate the impact of nuclear tests on marine biota and the long-range effects

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[redacted]
[redacted] b. General objectives may be attained within available funds and resources.

tion projects; technical support, including aircraft operations, logistic support; and maintenance and operations.

The chairman of the Committee is the AEC Scientific Advisor for readiness, and membership is provided from LRL, LASL, Sandia Laboratory, and NVOO (Executive Secretary).

- C. Aircraft Use Committee. Receives policy and funding guidance from the OCPC and submits recommendations consistent with this guidance directly to the Manager, NVOO on day-to-day planning and operational matters. Its functional areas include the following:

Review the instrumentation, development of desired capabilities and operation of aircraft which have been designated by the USAF for AEC utilization as diagnostic and sampler platforms, and any other significant operational requirement concerning the use or control of the aircraft;

through normal Laboratory channels, assure that operational recommendations are consistent with the scientific objectives of the Labs and with stated DOD policy and other requirements; and

periodically provides the OCPC with a resume of the Committee's activities along with recommendations concerning budgetary matters in the areas affecting the aircraft in which NVOO allocates AEC resources.

Membership is provided from LASA, LRL, Sandia Laboratory, EG&G and NVOO (Executive Secretary).

- D. Tamarin Committee. Reports to the Manager, NVOO. Its functions are as follows:

Investigate the potential water wave hazards that may result from nuclear detonations, and develop criteria that will aid in the elimination or minimization of such hazards;

provide technical **assistance** to NVOO in contractor selection for research, development and production of water wave measurement instrumentation;

provide program guidance to NVOO for the selection and administration of theoretical research contractors;

provide technical information and assistance to the Joint Hazards Evaluation Group upon request;

provide technical assistance and guidance to NVOO in the analysis and utilization of data obtained through experimentation and documentation; and

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provide the OCPC periodically with a resume of the Committee's activities, along with recommendations concerning budgetary matters in the Tamarin area in which NVOO allocates AEC resources.

Membership is provided from LASL, LRL, NVOO and DASA.

- E. Sampler Working Group. Reports to the Commander, Air Weather Service (AWS). Its functions are as follows:

Review and coordinate all user agency requirements involving use of the sampling aircraft (RB-57C's and F's) under the operational control and direction of the Air Weather Service, USAF.

Provide for interagency coordination as required in the following areas:

Joint use of the standard aircraft complement of communications and navigational equipments as well as the unique air sampling equipment;

modification and/or removal of equipment;

electrical circuitry and wiring changes, etc., and training for USAF and AEC air sampling flight crew personnel.

The chairman of the group is provided by AWS. The membership includes representatives from several DOD agencies and LASL, LRL and NVOO.

- F. Pacific Planning Board (PPB).* Serves as an advisory group to CJTF-8 on matters relating to preparations for overseas nuclear tests. Within policies, plans and programs formulated as a result of the National Nuclear Test Readiness Program (NNTRP) and agreed to by DOD and AEC, the functions of the PPB will include the following:

Advises on all additions, deletions or revisions to technical program plans and requirements;

assesses AEC/DOD capability to accomplish approved programs and recommend appropriate changes;

assesses the interactions of the technical programs and where conflicts as to space, utilization of resources or priorities may become evident, recommends changes or compromises as appropriate in the interest of economy of effort and/or feasibility.

Membership is provided by the JTF-8 Scientific Deputy; Manager, NVOO, and JTF-8 Associate Scientific Deputy Commanders for the H/A and A/D programs, and Scientific Test Group Commanders. When determined appropriate, the Military Services (Army, Navy and Air Force) or other agencies will be requested to designate agency representatives

* The continuing functions and responsibilities of the PPB and the JHEG are currently under review by Director, DASA.

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to the Pacific Planning Board.

- G. Joint Hazards Evaluation Group (JHEG).* Serves as a permanent safety advisory group to CJTF-8 on all matters related to the preparation or conduct of nuclear tests, and is chaired by the JTF-8 Scientific Deputy.

The functions of the JHEG include:

Reviewing all nuclear test operational plans as to the acceptability of all credible hazards;

assisting other agencies as required in preparing safety studies; and

establishing day-to-day hazards guidance during test operations or rehearsals.

The JHEG presently includes, but is not limited to, members from AEC and DOD agencies with expertise in the following fields:

Aircraft vulnerability	Weapons output
Seismic sea waves	Fallout prediction
Missile range safety	Blast and shock
Nuclear system safety	Eyeburn and flashblindness
Radiation safety standards	Health physics
Thermal effects	Technical operations

When determined appropriate by the Chairman or Director, DASA, the military services or other agencies will be requested to designate ad hoc representatives for specific studies.

- H. Logistics Planning Group (LPG). The LPG is jointly funded and directed by NVOO and DASA and performs the following tasks:

Maintenance of the master copy of the Facilities and Support Requirements Plan (Gray Book) which includes facility and support plans for the NNTRP.

Maintenance of the master copy of the Master Site Plans of Johnston Atoll, Hawaiian Area sites, and the Pacific remote island sites as planned for the NNTRP.

Maintenance of a summary of test requirements to show major facility and system requirements versus assets and status thereof; i.e., for command and control, communications, ground and airborne diagnostics, off-site safety, test vehicles, rockets, payloads, sampling, effects measurements, logistics support, and maintenance and

* The continuing functions and responsibilities of the PPB and the JHEG are currently under review by Director, DASA.

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1. Coordination of Program Planning. Acts as principal coordinating organization within NVOO and as principal planning interface with AEC Laboratories, DMA, DASA and other agencies in matters concerning definition of readiness program mission and of NVOO programs necessary to support its objectives.
 2. Long-Range Planning. Coordinates, develops and maintains a long-range conceptual plan for NVOO response to a resumption in testing under the NNTRP.
 3. Planning Committees. Holds membership on the Off-Continent Planning Committee, the Aircraft Use Committee, and Sampler Working Group and participates within these committees in the planning and review of readiness program activities; participates on other planning committees (e.g., Pacific Planning Board) as assigned by the Manager.
 4. Logistics Planning Group. Directs LPG effort for AEC under jointly funded program with DASA. (This responsibility is jointly held with the Assistant Manager, Engineering and Logistics.)
 5. Budgeting and Work Authorization. Coordinates budget preparation and justification; administers a work authorization system to align and maintain program efforts within authorized scope and cost ceilings.
- B. Assistant Manager, Engineering and Logistics
1. Facilities. Carries out a program to retain AEC test readiness facilities (including communications) in the Pacific Area at a minimal maintenance level consistent with NNTRP requirements and budget limitations, or to provide these on an as-required basis; develops and maintains conceptual plans for responding to a test situation (actions, requirements, estimates of time and cost).

PROVISIONS OF THE AEC DOD AGREEMENT, AS THEY RELATE TO
maintenance and operation, and logistic support services.

4. H&N Support to DOD. Negotiates and administers the local agreement with the DOD host agency governing services by the AEC contractor in support of DOD responsibilities on JA.
5. Logistics Planning Group. In coordination with DASA, directs LPG's joint AEC/DOD effort. (This responsibility for AEC direction is jointly held with the NVOO Assistant Manager, Plans and Budgets.)
6. Joint Task Group Role. Serves as Commander Joint Task Group 8.5 in providing a continuing point of contact with Director, DASA and CJTF-8 (when activated) on matters relating to facilities and logistic support in the Pacific Area.
7. Logistic Support. Provides support to laboratory users in the Honolulu and JA areas in conjunction with deployed diagnostic aircraft missions and other field activity, within budget limitations.

In the above functions, the Assistant Manager, Engineering and Logistics is assisted by the Director, Pacific Area Support Office, who provides field execution of the above missions as assigned (with the exception of LPG direction) and who acts as Deputy Commander JTG 8.5 on a continuing basis.

C. Assistant Manager for Operations

1. Safety Response Capability. Maintains limited radiological off-site safety response capabilities as required to support NNTRP test programs, consistent with budget limitations imposed.
2. EG&G Contract Administration. Administers the EG&G contract under which technical support is provided to the AEC laboratory readiness programs and under which technical/logistical support is provided to the diagnostic/sampler aircraft programs at KAFB, Albuquerque.

~~1. Director, Special Operations Division~~

1. Tamarin Capability. Carries out Tamarin Committee recommendations (when approved) with regard to maintenance/disposition of NVOO contractor water wave program resources and capabilities; as part of this effort, defines long-term NVOO program for retaining or developing from latent resources an ability to field the necessary

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water wave monitoring teams and instrumentation required to support the NNTRP; develops conceptual statement of actions, requirements and estimates of time and cost to implement.

2. Other Tamarin-related efforts. Administers NVOO participation in the long-term program to place and maintain tsunami monitoring gages at Pacific Islands; arranges and administers contract activities as approved and funded to carry out theoretical water wave studies.
3. Resources. Maintains ready access to records of readiness equipment disposition, availability and condition, and periodically evaluates equipment in storage or in use elsewhere as to its continuing usefulness to the readiness effort.
4. Support to Cannikin Event. Coordinates use of existing NVOO contractor water wave capabilities between Readiness Program and STS Program requirements.

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Distribution

- 1/21A - Major General E. B. Giller, USAF, Assistant General Manager
for Military Application, USAEC/HQ, Wash., DC
- 2/21A - J. E. Carothers, LRL, Livermore, California
- 3/21A - R. R. Brownlee, LASL, Los Alamos, New Mexico
- 4/21A - W. E. Ogle, LASL, Los Alamos, New Mexico
- 5/21A - J. H. Scott, SLA, Org. 9200, Albuquerque, New Mexico
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- 7/21A - J. R. Johnson, Holmes & Narver, Honolulu, Hawaii
- 8/21A - A. L. Vogt, Holmes & Narver/LPG, Las Vegas, Nevada
- 9/21A - W. B. Hills, Pacific Area Support Office, Honolulu, Hawaii
- 10/21A - W. R. Cooper, Asst. Mgr. for Plans and Budgets, NV
- 11/21A - E. M. Douthett, Dir., Ofc of Effects Evaluation, NV
- 12/21A - B. W. Menke, Asst. Mgr. for Administration, NV
- 13/21A - M. F. Smith, Albuquerque Site Representative, Albuquerque,
New Mexico
- 14/21A - W. D. Smith, Jr., Asst. Mgr. Engineering & Logistics, NV
- 15/21A - C. J. Smits, Dir., Property Management Division, NV
- 16/21A - E. S. Chaput, Actg. Dir., Budget Division, NV
- 17/21A - W. W. Allaire, Actg. Asst. Mgr. Ofc of Assistant Manager
for Operations, NV
- 18/21A - R. W. Taft, Dir., Plans Division, NV
- 19/21A - K. N. Joy, Chief, Special Projects Branch, NV
- 20/21A - R. E. Miller, Manager, NV
- 21/21A - Mail & Records, NV

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